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TITLE:

Structure of preventing vibration of tray in disk drive

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PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 2001KR-0007891 (February 16, 2001)

PATENT-FAMILY:

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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: KR2002067360A

BASIC-ABSTRACT:

NOVELTY - A structure of preventing the <u>vibration of a tray</u> in a disk drive is provided to recover a gap between a <u>tray</u> and an upper chassis, so as to effectively prevent the <u>vibration of the tray</u> generated while operating the disk drive and smoothly perform entrance and ejection operations of the <u>tray</u>.

DETAILED DESCRIPTION - A chassis configures an external view. A <u>tray</u>(40) movable to the internal and external of the chassis loads a disk thereon and moves the disk. A spacer unit installed in one side of the <u>tray</u> maintains a gap between the <u>tray</u> and the chassis with <u>elasticity</u> of a coil <u>spring</u>. In the spacer unit, the coil <u>spring</u> is installed inside a <u>guide groove</u>(50) formed to be open toward an upper surface of the <u>tray</u>. And a projection ball(54) accepted within the <u>guide groove</u> is projected to the external of the <u>guide groove</u> with the elasticity of the coil <u>spring</u>, and a front end thereof contacts with the chassis.

CHOSEN-DRAWING: Dwg. 1/10

TITLE-TERMS: STRUCTURE PREVENT VIBRATION TRAY DISC DRIVE

DERWENT-CLASS: T03

EPI-CODES: T03-L;

